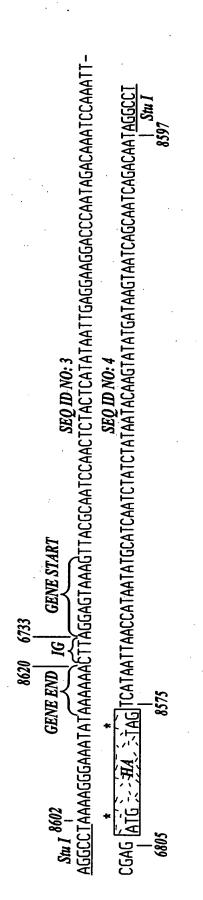
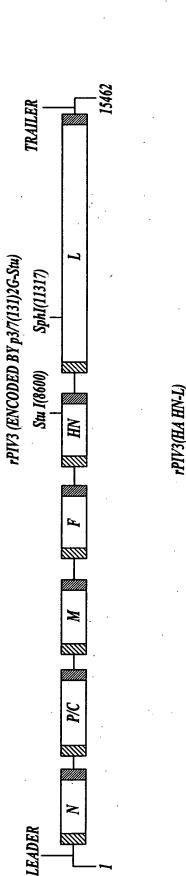


## TOSOEO. SEDECT

MEASLES HA INSERT FOR THE HIV-L JUNCTION





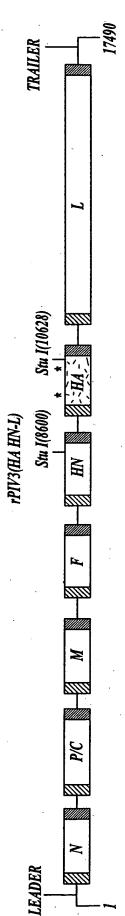


Fig. 18

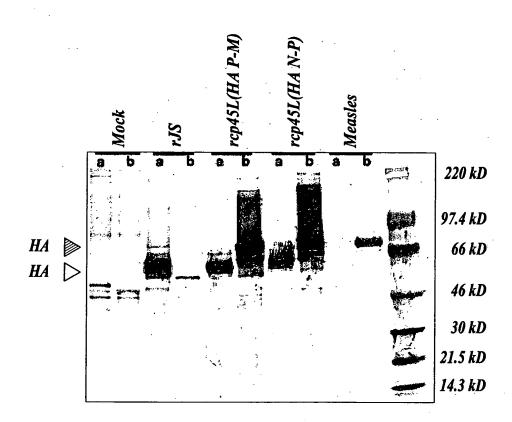


Fig. 2

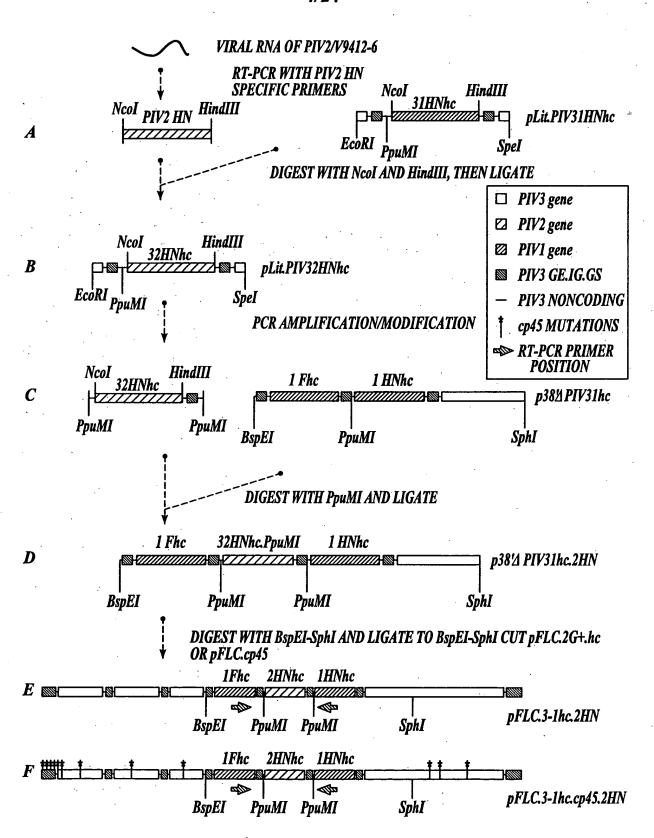
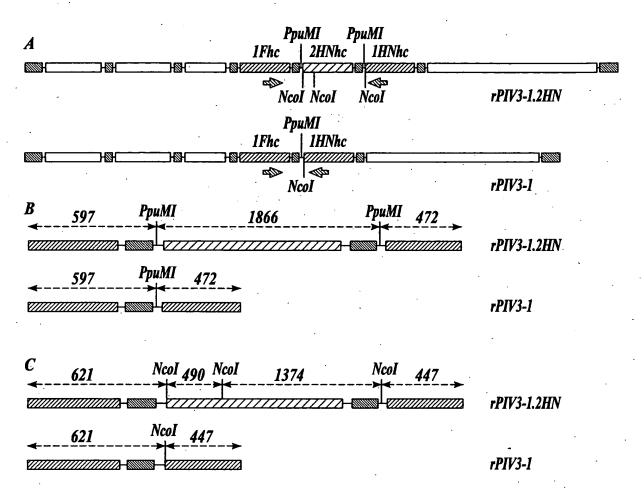


Fig. 3



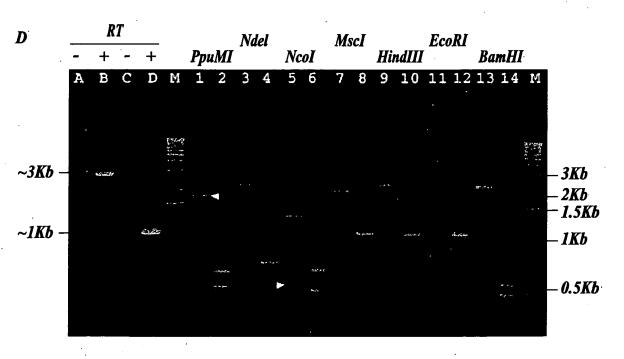


Fig. 4

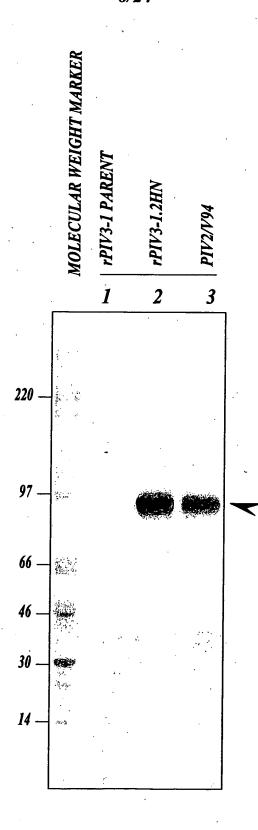
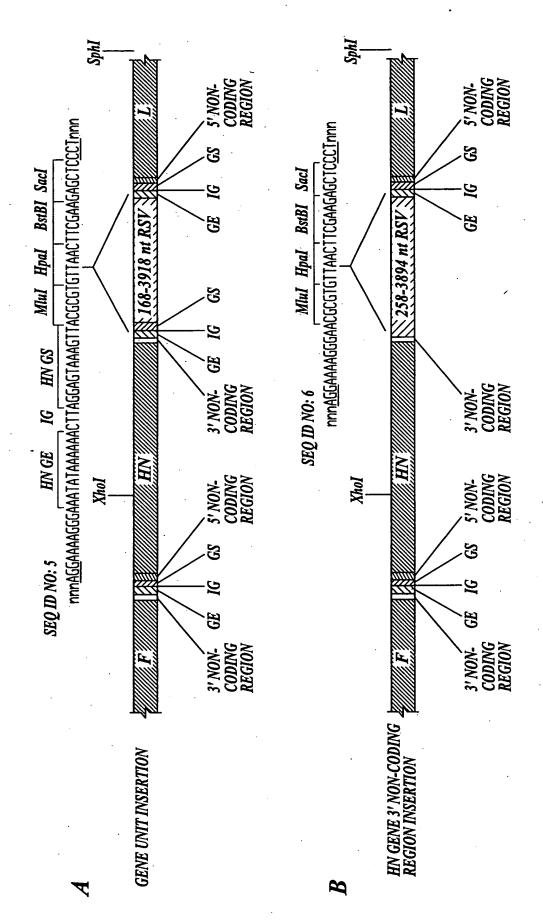
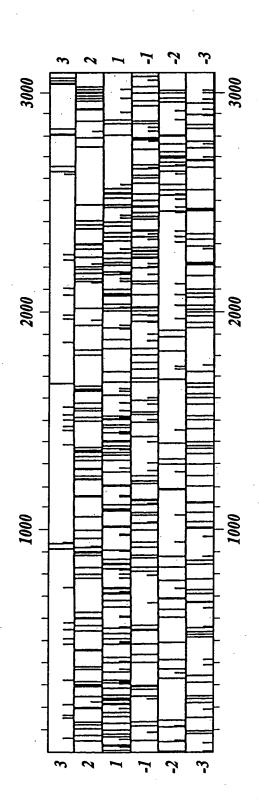


Fig. 5

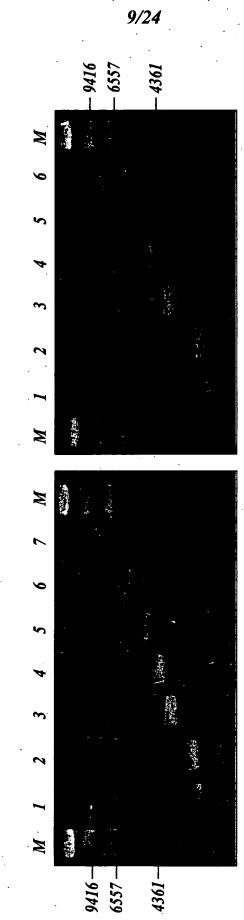


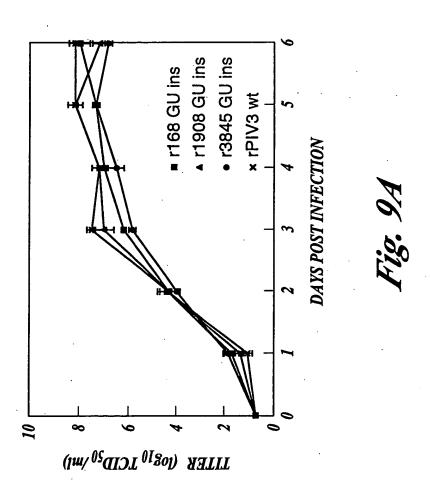




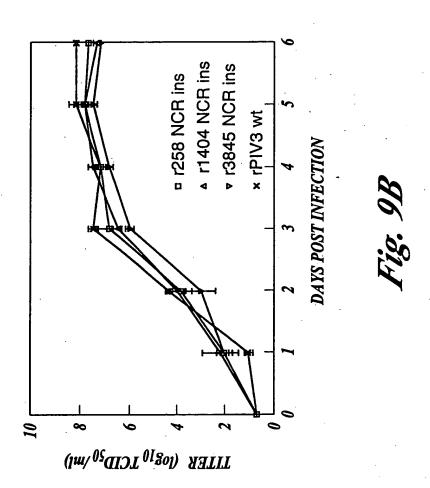




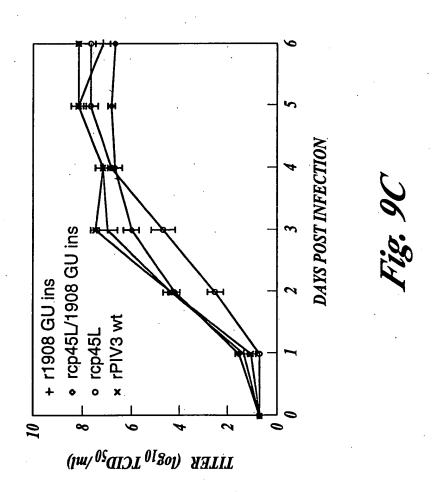


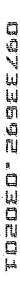












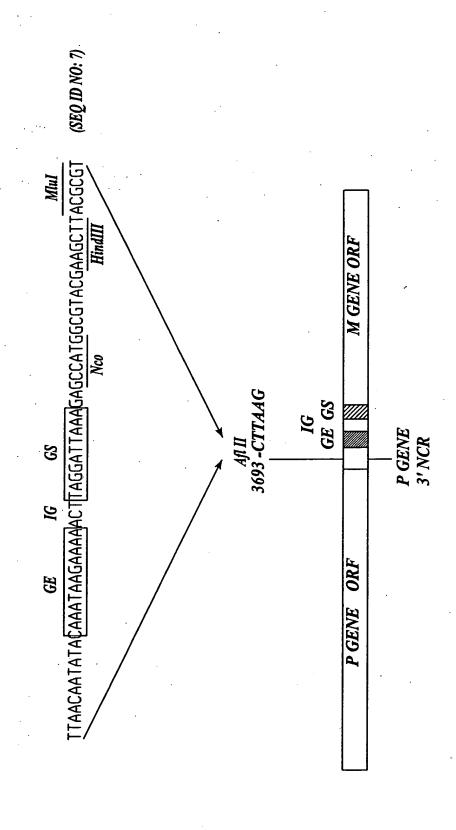


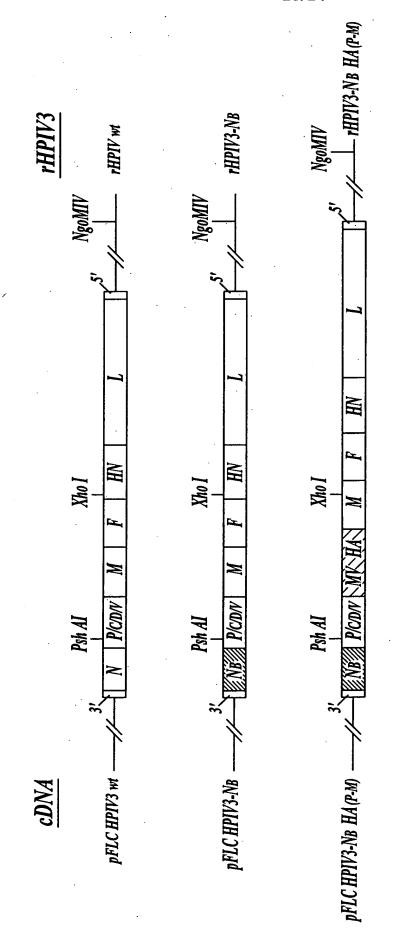
Fig. 10

CONTROL CAUSTA

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TITER  (ML)		0.3	0.7	2.3	0.3	0.5	0.8	3.0	2.0
AT 39°C 10 TCD50	TER ML) a	9.4	7.4	7.9	7.9	9.2	8.5	7.7	8.7
REDUCTION IN TITER AT 39°C (LOG <sub>10</sub> TCID <sub>50</sub> /ML) <sup>b</sup>	MEAN PEAK TITER (LOG <sub>10</sub> TCID <sub>50</sub> /ML) <sup>a</sup>					· .	,		
		$rHPIV3 = \frac{3}{4} \left[ N   PlCD/V   M   F   HN   L   S'   S'   \right]$	$r_{HPIV3\ IHNNP}^{3'}$ N EHNPINISPICON M F HN L	$r_{HPIV3}$ IHN P.M.   PICONEHNPING M   F   HN   L	$r_{HPIV3}$ 2HN $N_{P}$ $\sim 10^{3}$ $\sim 10^{3$	$r_{HPIV3}$ 2HN $p_{rM}$ $  N     P_{CDM}$ $  HN     N     N     N     N     N     N     N     N     N     N     N     N     N   $	** THPIV3 IHIN N-P 2HIN P-M   WHINPING PICON HINPING   M   F   HN   L	HPIV3 IHN N-P2HN P-M HA HIN-L	V3 1HNN-P2HNP-M3918GUEN-L N KHNPIVIAPICONKHNPIVZ M F HN V///GU3918n1////

Fig. 11

DOVERDE DECEN



RPIV3 KANSA

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FORDED POSEEVED

LEADER—    CENESTIAN OF RSV G OR F AS AN ADDITIONAL GENE UNIT IN A PROMOTER-PROXIMAL POSITION    CENESTIAN
--

BAH PIV3-G1 LEADER -B/H PIV3-F1 LEADER

rig. 13



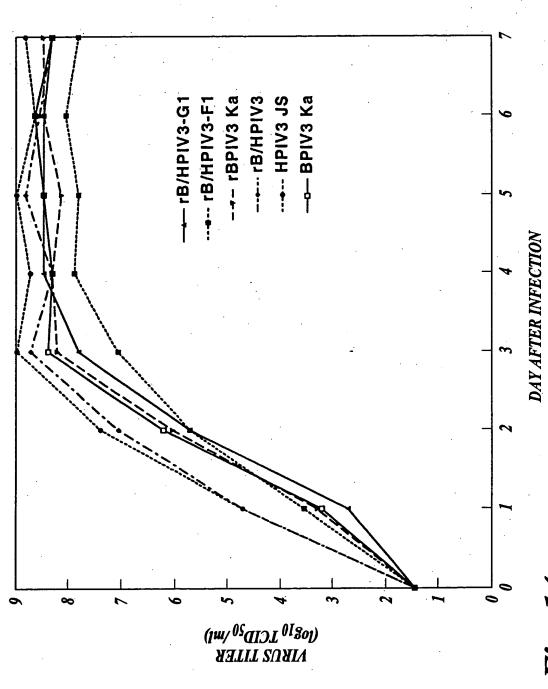


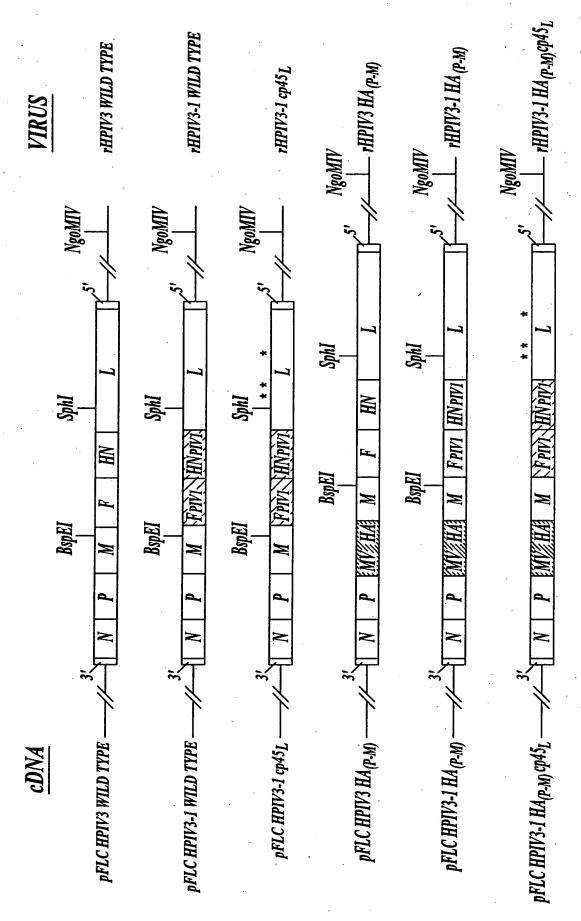
Fig. 1.

LUENTE OF CHURCH

RECOMBINANT BOVINE/HUMAN PIV3.1 EXPRESSING HPIV2 F AND HN FROM SUPERNUMERARY GENES BsiWI BsiWI BsiWI HMI HINI SgrAI BsiWI BsiWI BsiWI Not I SgrAI SgrAI Not I Not I Not I SgrAI SgrAI Not I SgrAI AscI Not I Asc I AscI Asc I Asc I Asc I Blp I #6: rB/HPIV3.1-2HN,2F #4: rB/HPIV3.1-2HN #5: rB/HPIV3.1-2F #3: rB/HPIV3.1 #2: rB/HPIV3 #1: rBPIV3

Fig. 15

TONORO" ROSELOO



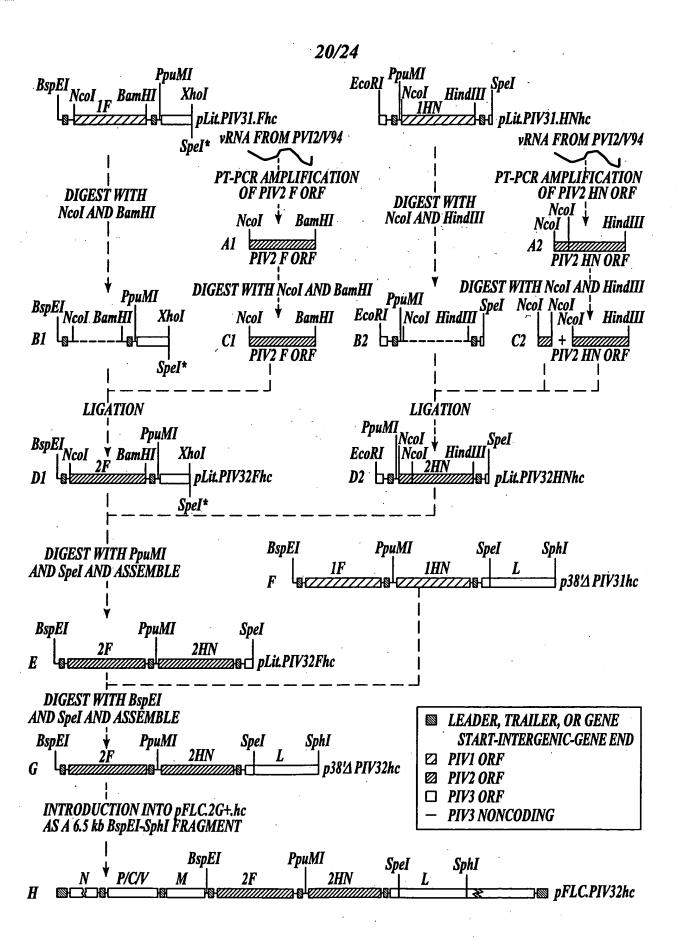
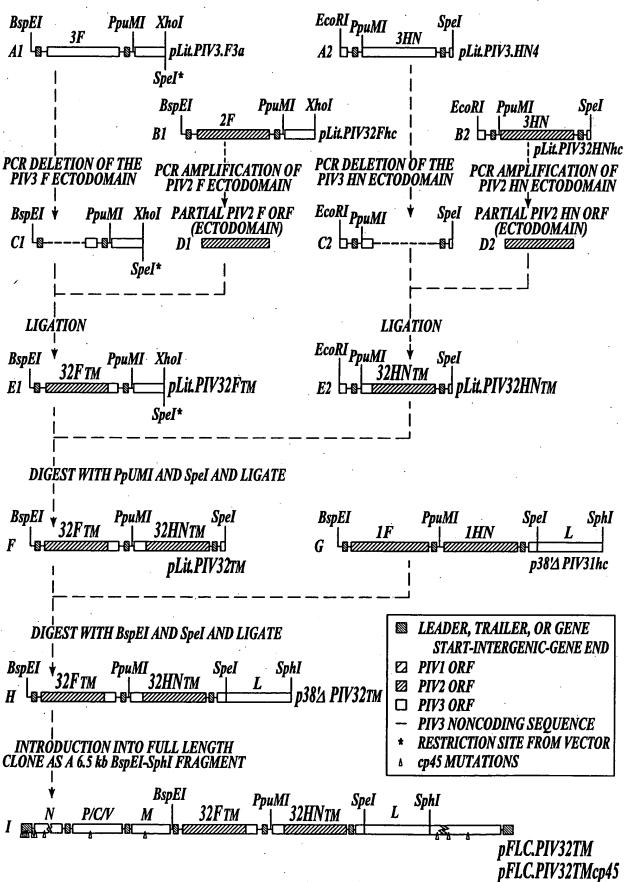
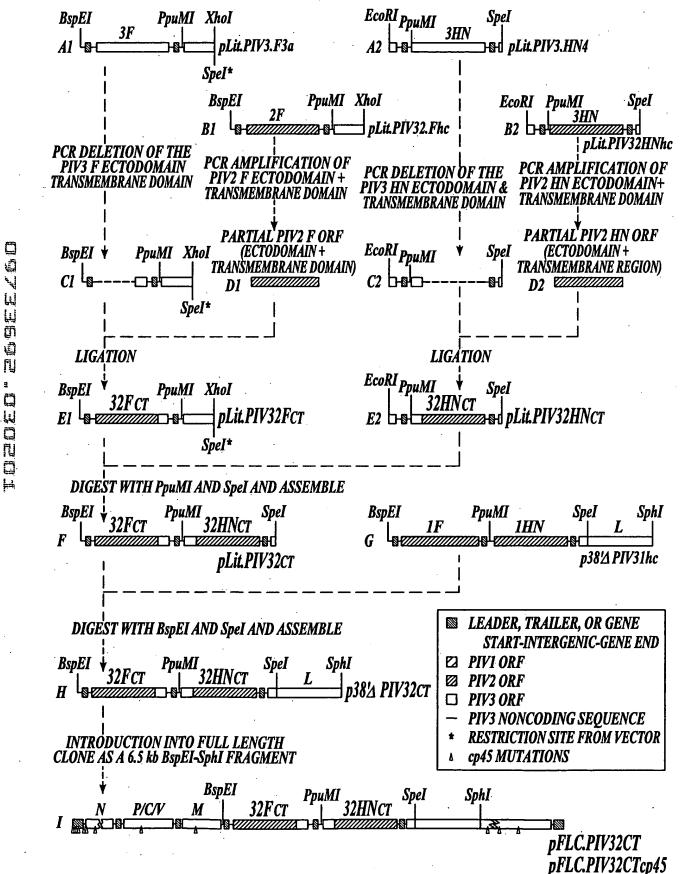


Fig. 17

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## A. GENETIC STRUCTURES OF PIV3-2 CHIMERIC VIRUSES COMPARED WITH PIV3 PARENT AND PPIV3-1 rPIV3-2TMcp45 rPIV3-2CTcp45 $_{rPIV3-2} \parallel \mid N \mid \mid \mid \mid P/C/V \mid \mid \mid \mid$ (THEORETICAL, NOT RECOVERED) rPIV3-1 rPIV3-1cp45 (FROM PREVIOUS WORK: CONTROL VIRUS) PIV3 LEADER/TRAILER/GE-I-GS □ PIV3 ORF ☑ PIVI ORF PIV3 NON-CODING SEQUENCE PIV2 ORF **∆** cp45 MUTATIONS B. CHIMERIC PIV3-2 F AND HN CONSTRUCTS WITH TRANSMEMBRANE AND CYTOPLASMIC DOMAINS DERIVED FROM PIV3 F AND HN 494 *PIV3-PIV2FTM* PIV3 F TRANSMEMBRANE PIV3 F 5'-ntr + CYTOPLASMIC DOMAINS PIV3 F 3'-ntr ... caa gca ctg aaclasti late FAX PEXECPALATE Ata att att .... aca aac aaa taalleat ate tae aga . PIV3-PIV2HNTM 1 PIV3 HN TRANSMEMBRANE 487 PIV3 HN 5'-ntr 1+CYTOPLASMIC DOMAINS PIV3 HN 3'-ntr ttc aga ttc gag atg gag tac ... att agt tcc atc PA EAGLICTItca taa tta acc ata ECTODOMAIN OF PIV2 HN EXTRA NUCLEOTIDES C. CHIMERIC PIV3-2 F AND HN CONSTRUCTS WITH CYTOPLASMIC DOMAIN DERIVED FROM PIV3 F AND HN 517 PIV3 F *PIV3-PIV2FCT* CYTOPLASMIC 513 **-540** PIV3 F 5'-ntr DOMAIN PIV3 F 3'-ntr FACILITY ATC and tat tac ... ata anc ann tan cat atc tac aga . ... caa oca cto aac#AHG/2AT ECTODOMAIN & TRANSMEMBRANE DOMAIN OF PIV2 F PIV3-PIV2HNCT 487 PIV3 HN CYTOPLASMIC DOMAIN PIV3 HN 5'-ntr PIV3 HN 3'-ntr ... tcc aaa ttc gaglatg gaa tac ... ctc act att aag leef sice AAItca taa tta acc ata .

ECTODOMAIN OF PIV2 HN

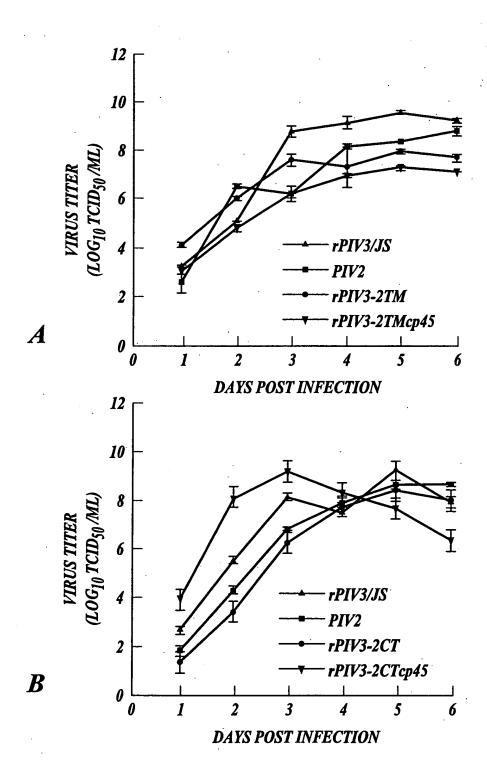


Fig. 21